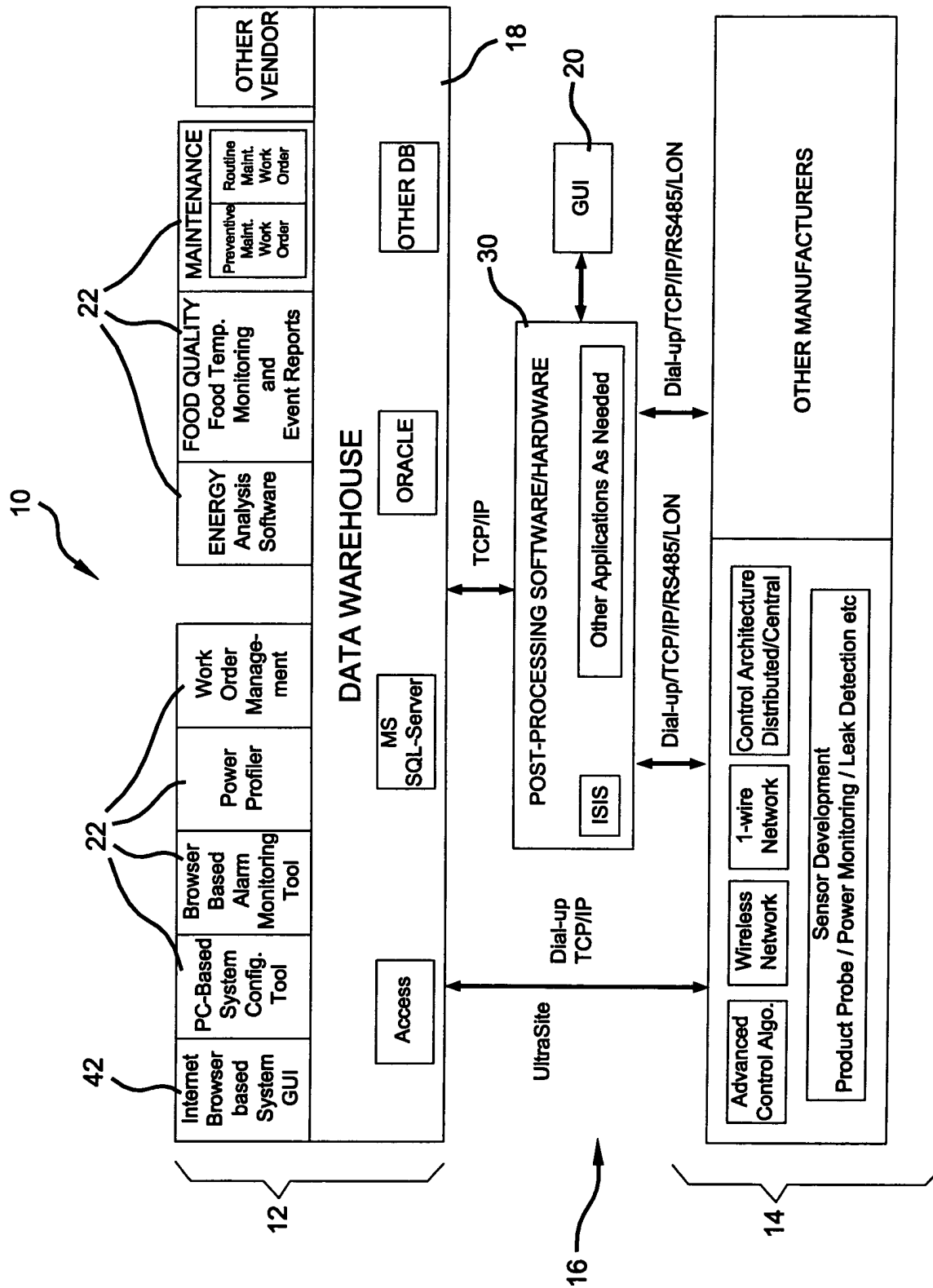


1/35



2/35

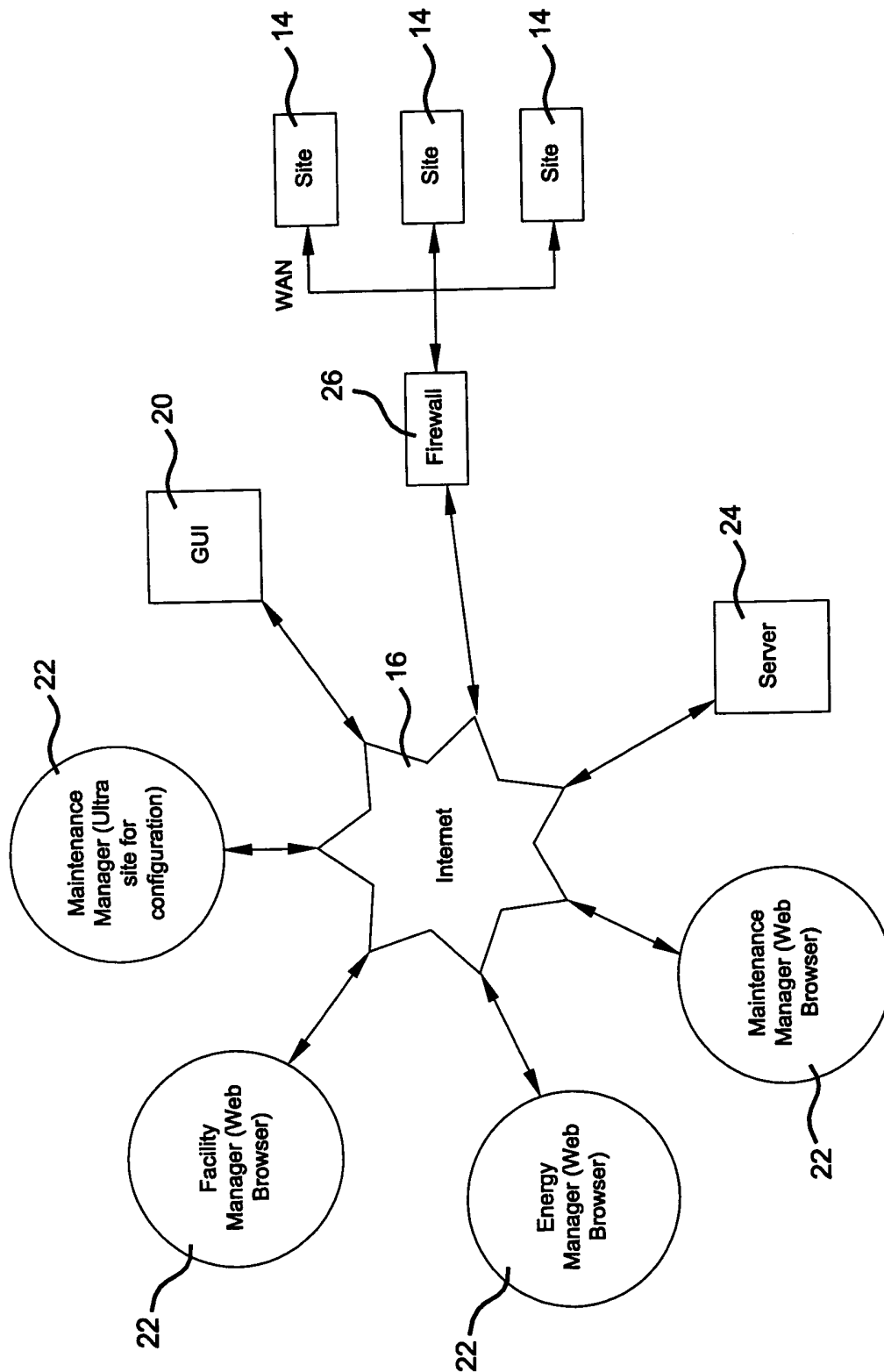


Figure 1B

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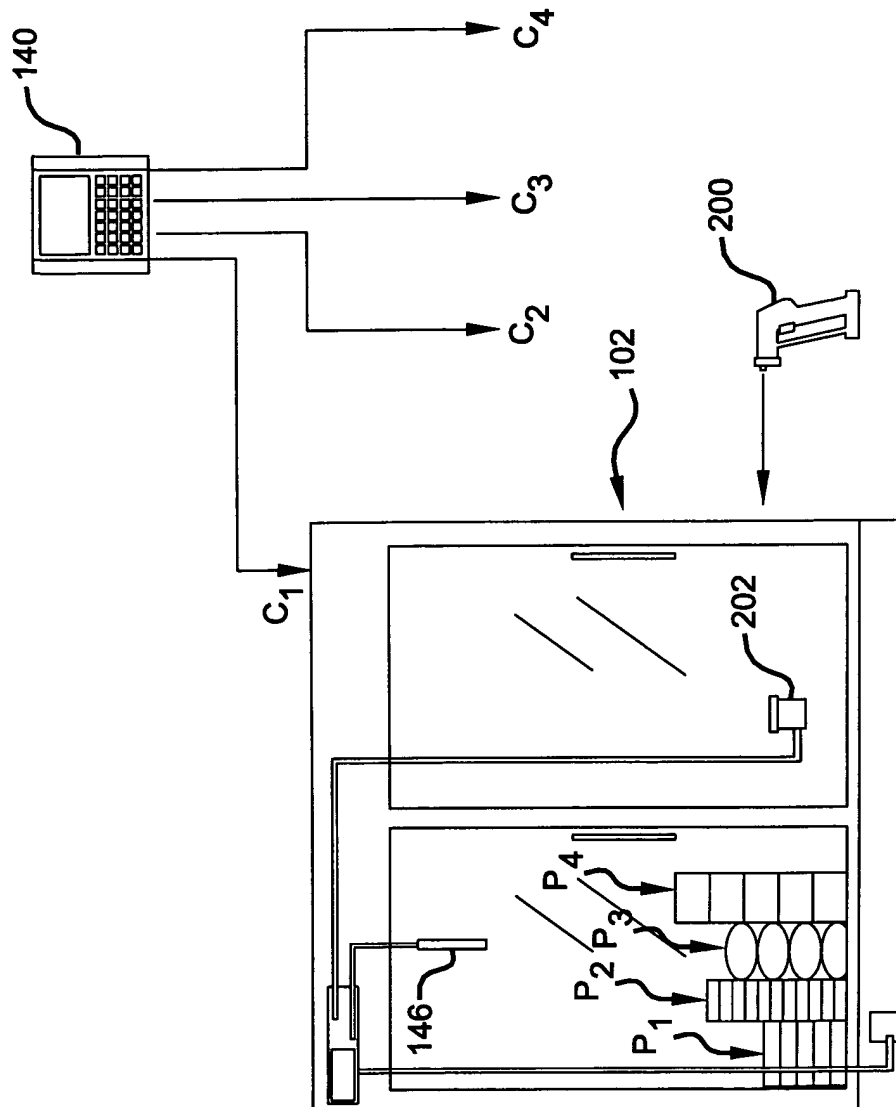


Figure 3

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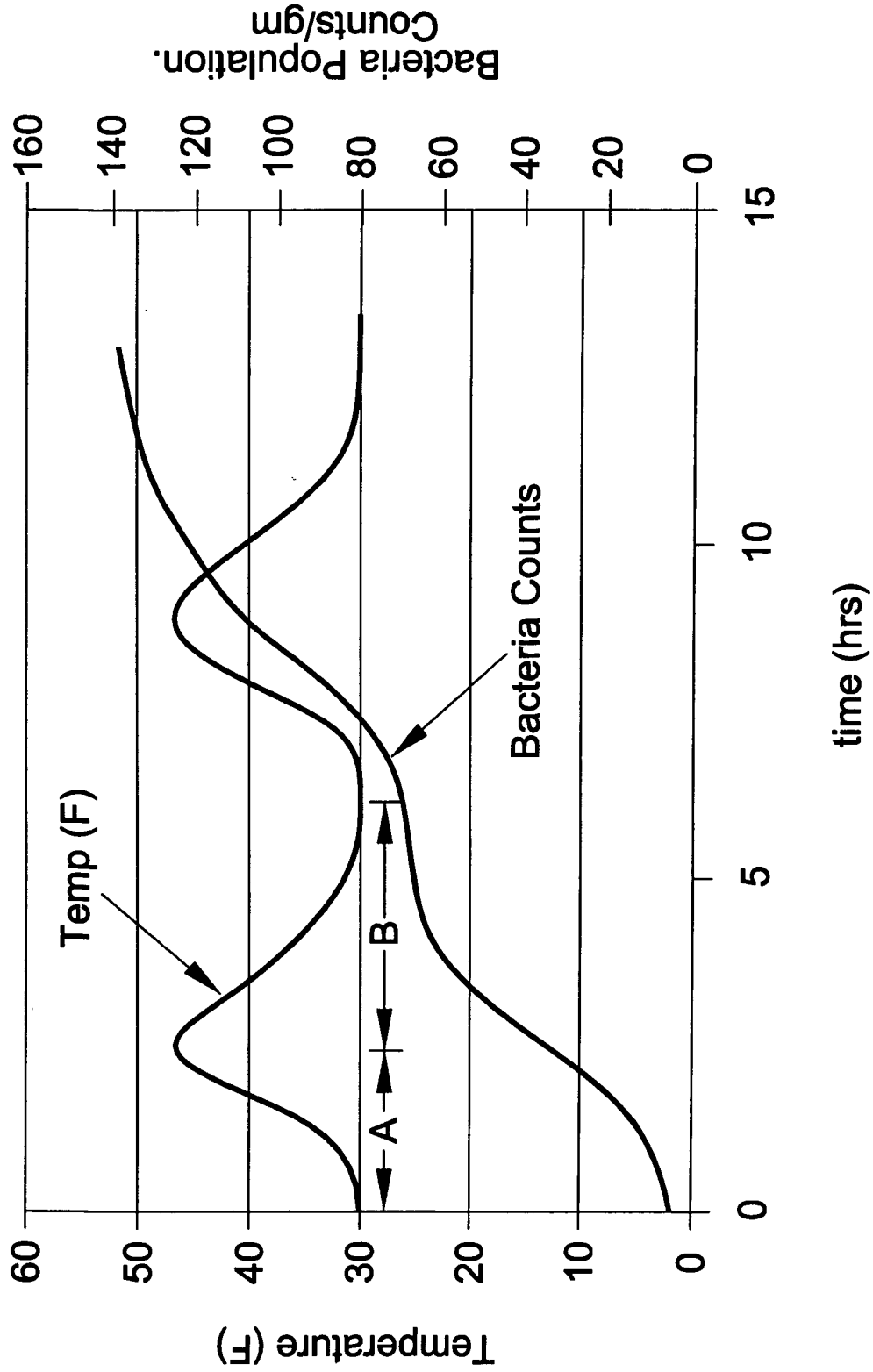


Figure 4

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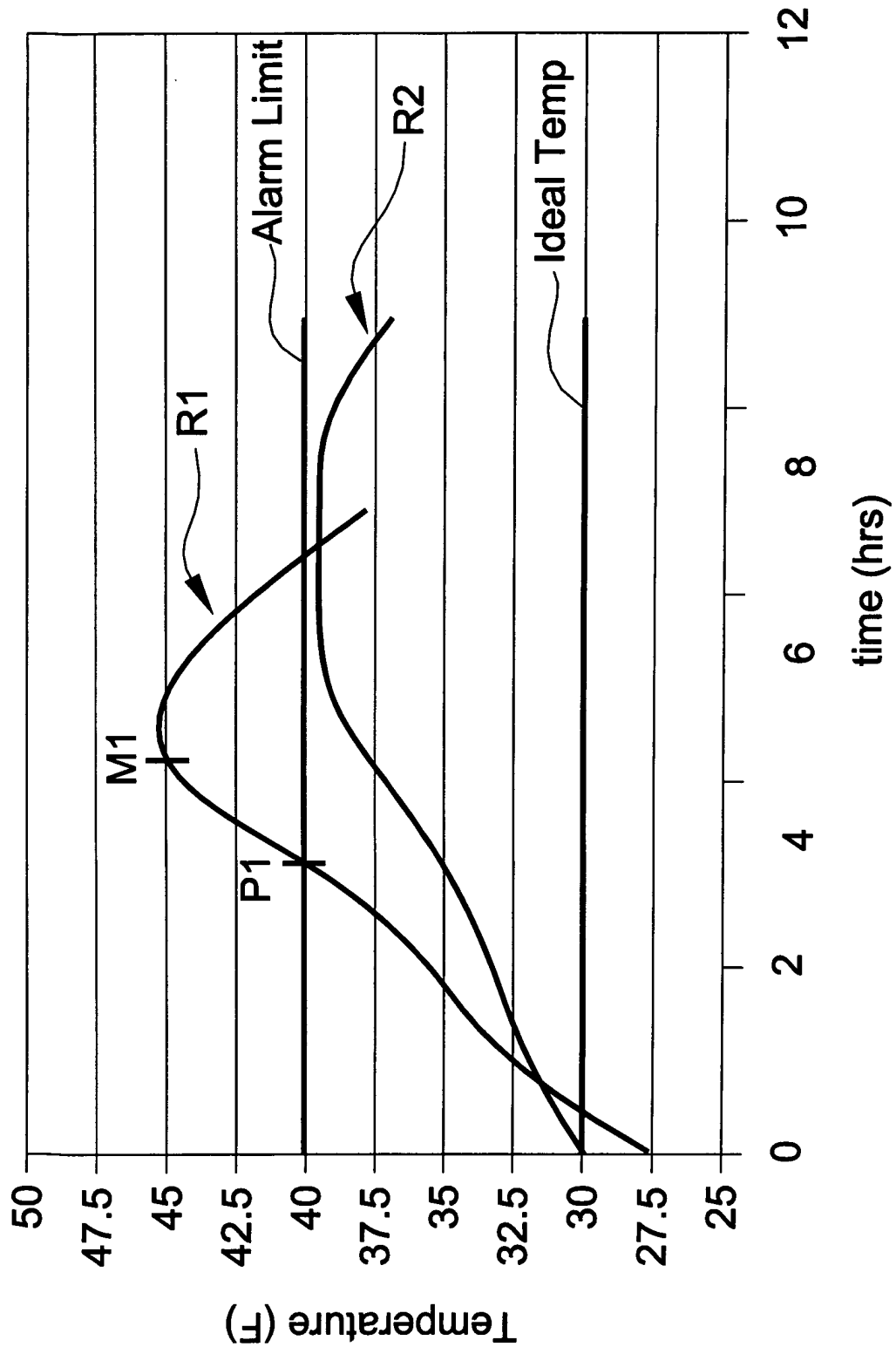


Figure 5

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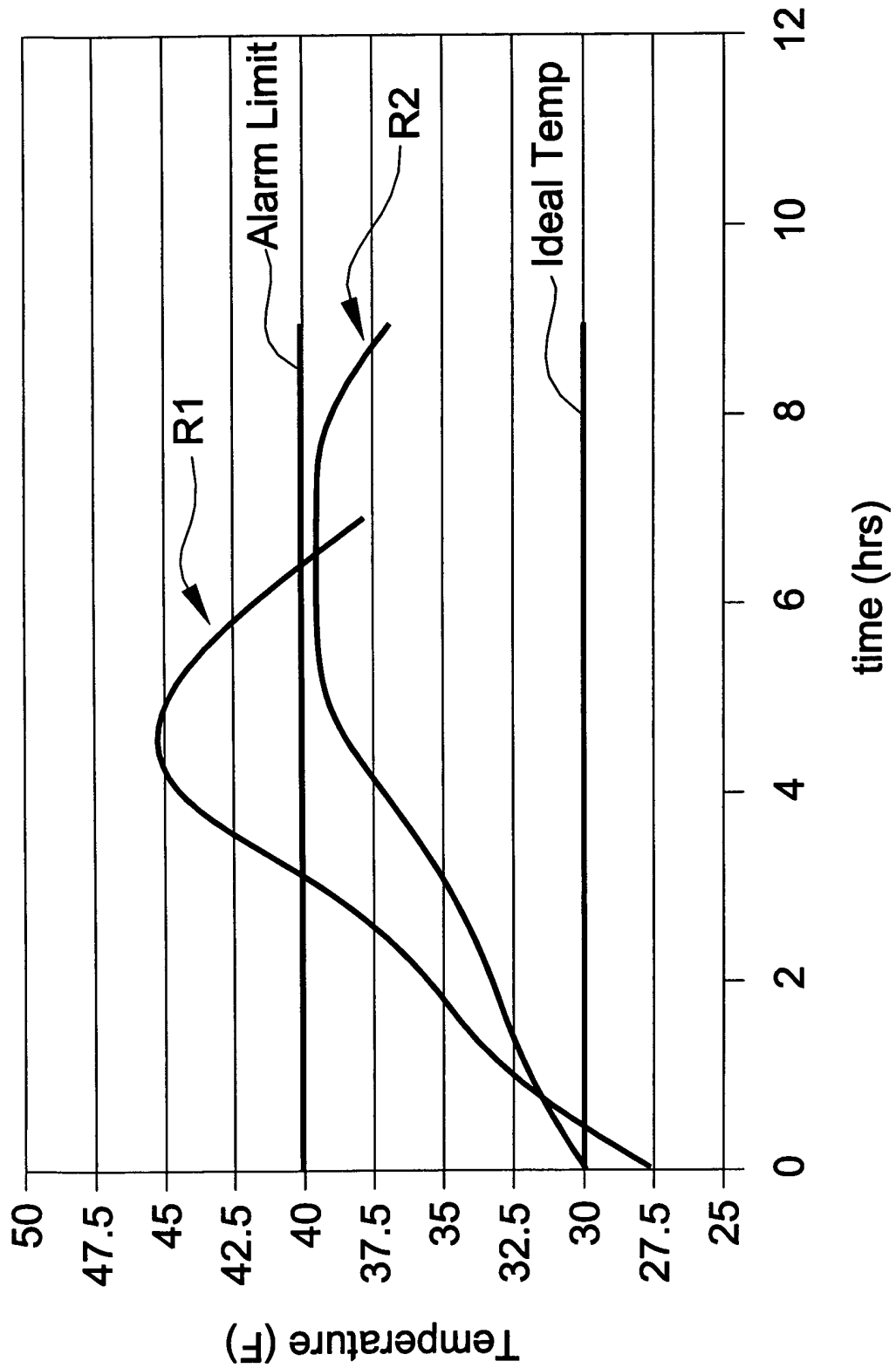


Figure 6

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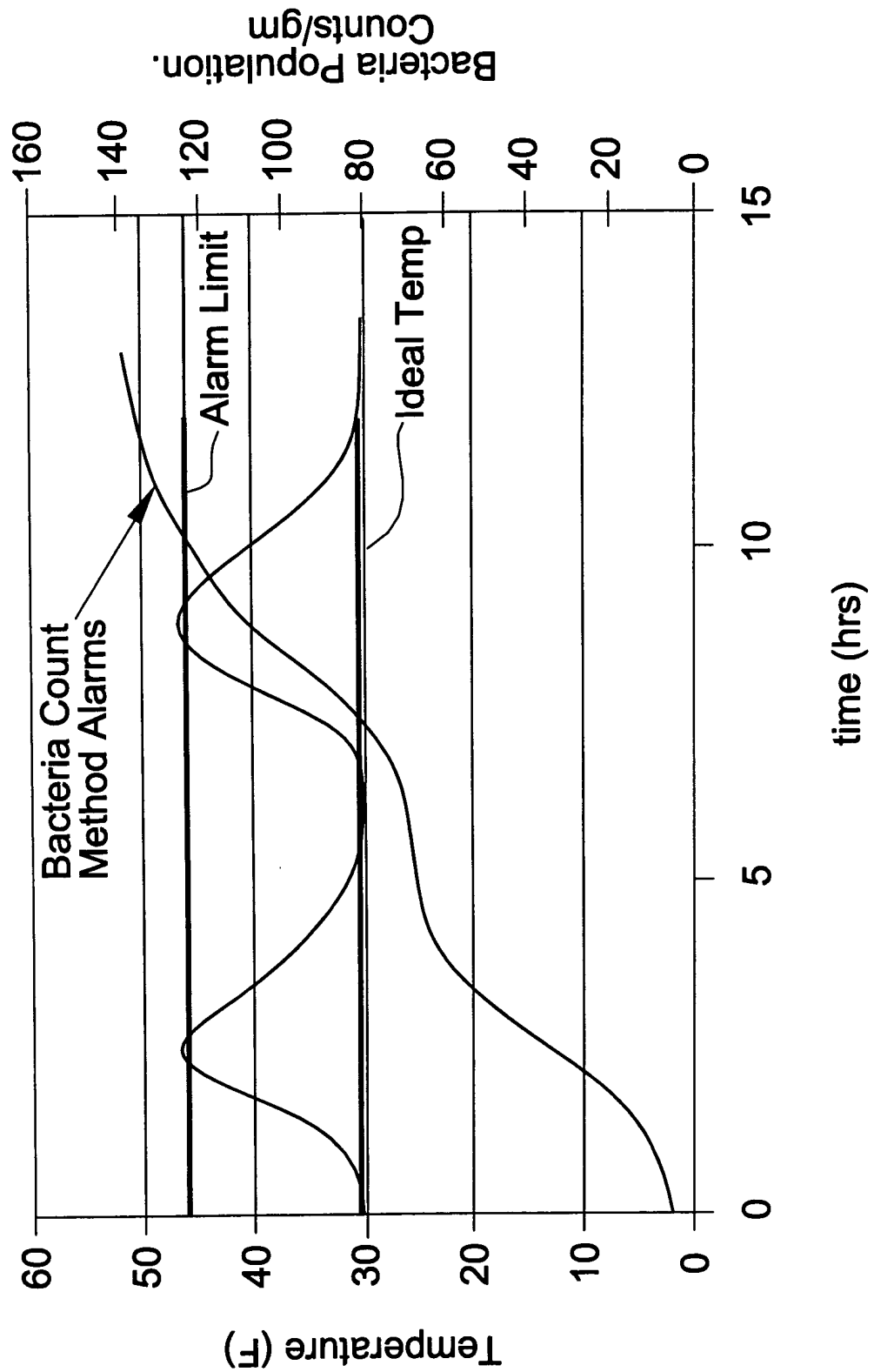


Figure 7

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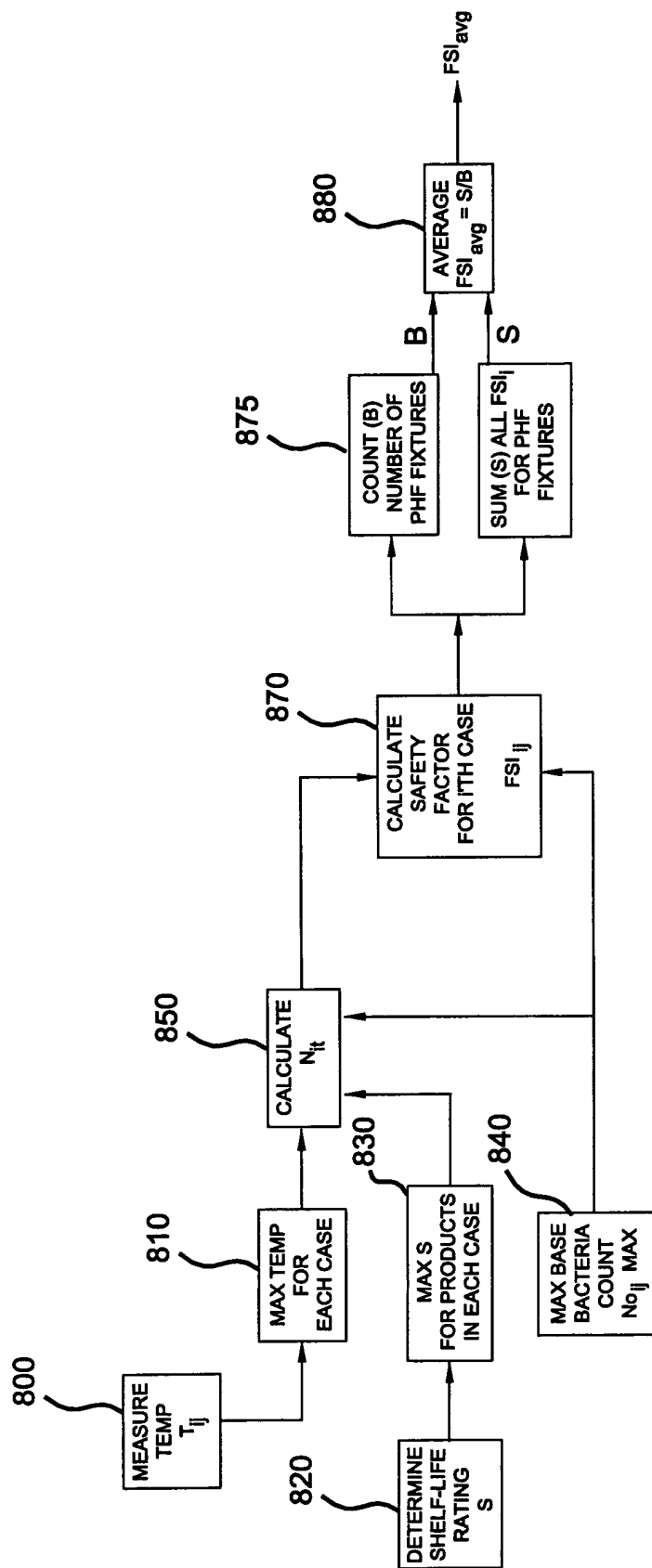


Figure 8

10/35

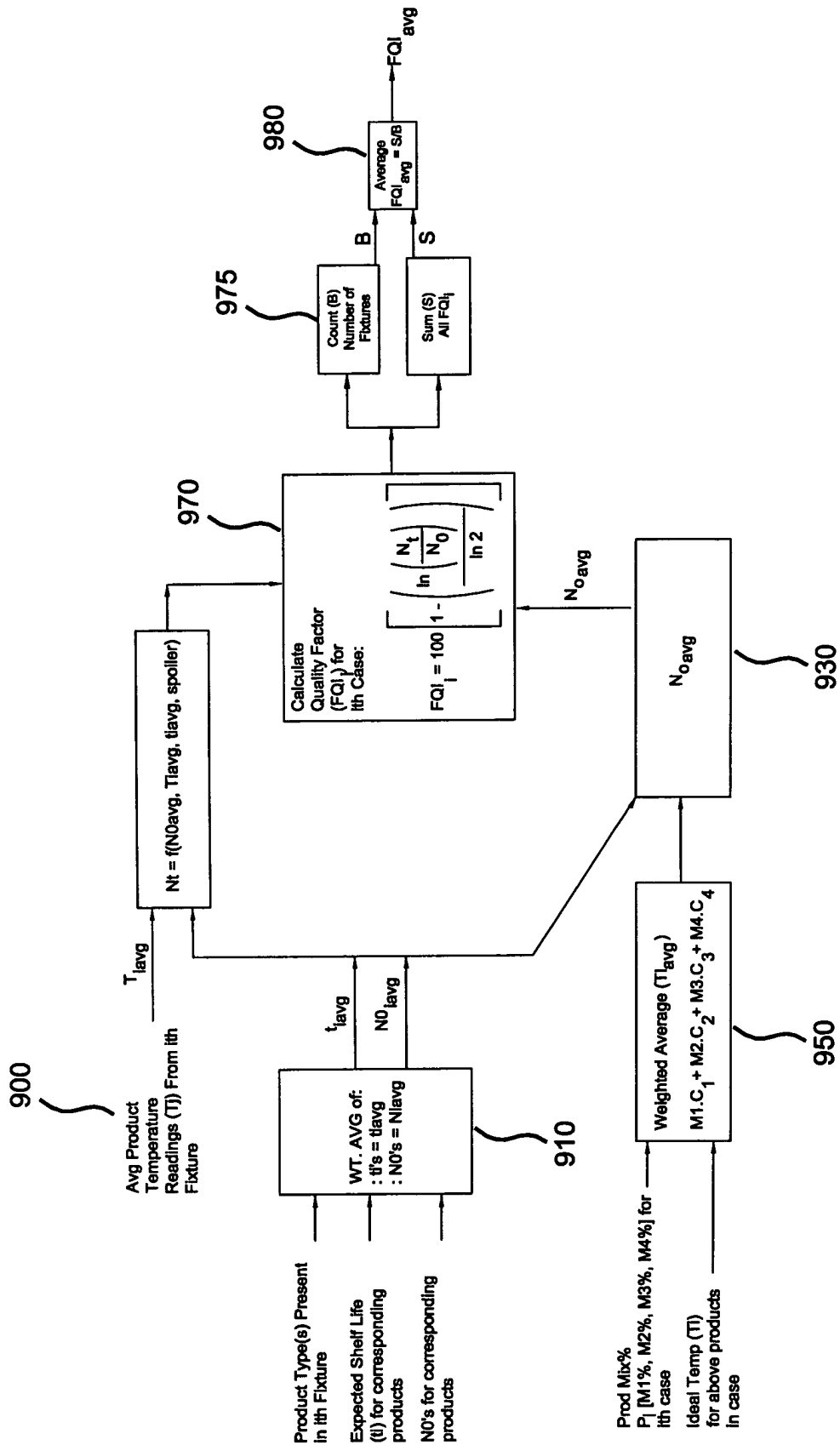


Figure 9

11/35

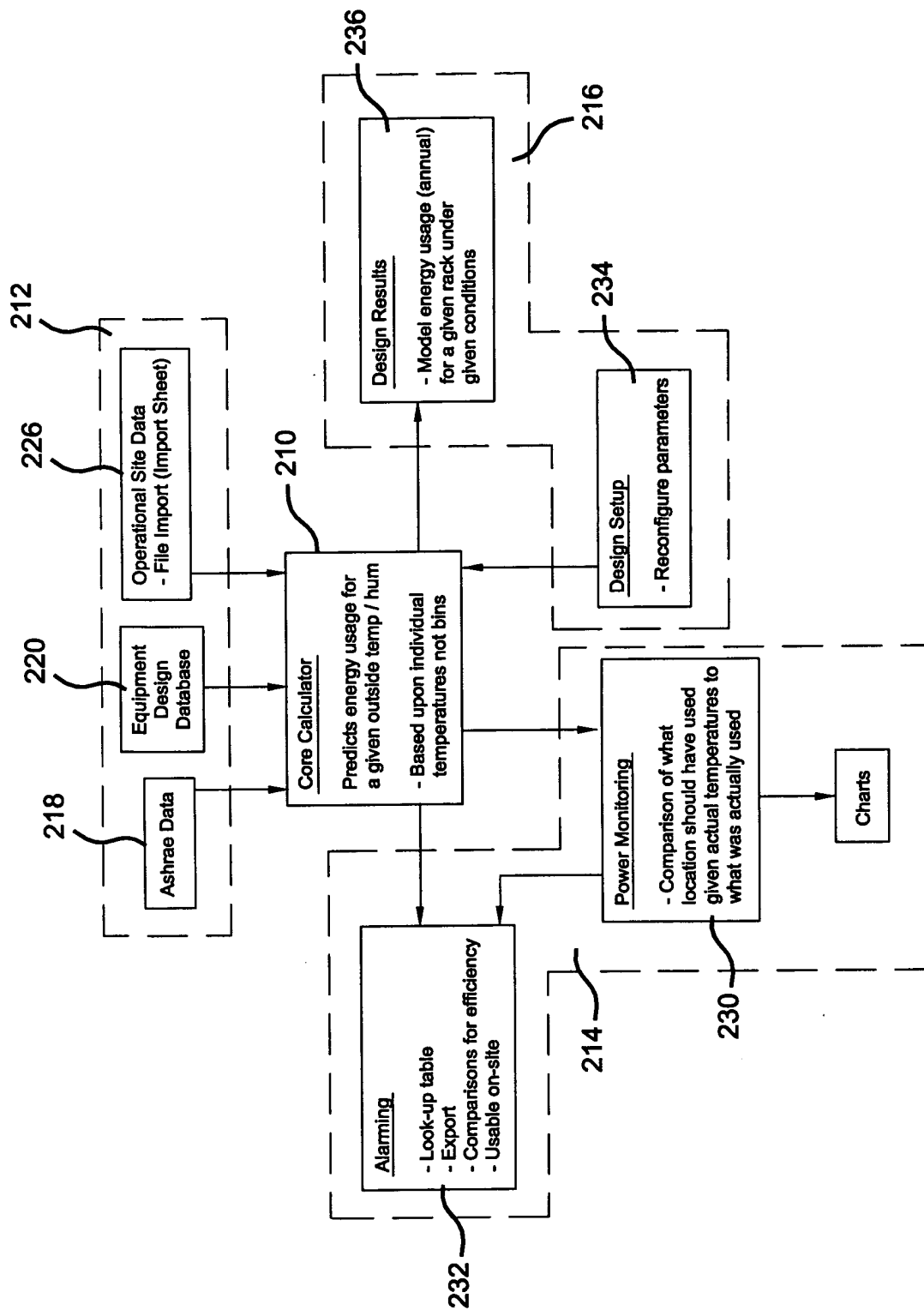


Figure 10

WORKING PAGE, DO NOT CHANGE

Ashtree Data for 72 Cities in Degrees F

typical year through 1998

WORKING PAGE, DO NOT CHANGE

The bottom and top bins are open ended eg. 126.5 to 99999

# bins	24	ABEDMNTW.WY2	ALBIRMNW.WY2	ARLRCKW.WY2	AZPHNIXT.WY2	AZPHNIXT.WY2	AZPHNIXT.WY2	BCVANCW.WY2	CAFRESNT.WY2										
bin size	7F	Edmonton, Alberta)	(Birmingham Alabama)	(Little Rock, Arkansas)	(Phoenix, Arizona)	(Phoenix, Arizona)	(Phoenix, Arizona)	(Vancouver British Columbia)	(Fresno, California)										
top range	127F	53.55	33.57	-86.75	34.73	-92.23	33.43	-112.02	33.43	-112.02	33.43	-112.02	49.2	-123.18	36.77	-119.72			
Month	Bin Temp	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb	DryBulb	WetBulb		
Jan	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	74	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	68	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0		
Jan	61	0	10	37	17	51	16	113	4	108	5	0	2	1	5	0	0		
Jan	55	0	45	115	57	71	63	178	17	134	4	0	0	0	47	0	0		
Jan	48	0	114	148	82	52	46	160	151	131	95	52	16	103	14	0	0		
Jan	42	0	149	133	154	142	86	145	304	213	317	208	122	304	288	0	0		
Jan	35	8	134	107	143	126	154	92	202	71	198	161	219	196	323	0	0		
Jan	29	24	79	78	117	108	137	29	61	25	82	135	120	84	99	15	0		
Jan	22	85	121	82	112	100	113	0	1	14	34	153	186	9	15	0	0		
Jan	16	70	52	37	54	64	89	0	0	0	6	35	78	0	0	0	0		
Jan	9	69	39	7	8	26	33	0	1	0	0	0	0	0	0	0	0		
Jan	3	72	1	0	0	0	7	0	0	0	0	0	0	0	0	0	0		
Jan	-4	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	-10	184	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	-17	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Jan	-23	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	74	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0		
Feb	68	0	0	0	0	15	3	52	2	65	0	0	0	0	0	0	0		
Feb	61	0	4	92	71	33	13	105	1	91	1	0	1	41	1	0	0		
Feb	55	0	71	106	73	54	33	141	6	166	88	0	0	108	42	0	0		
Feb	48	0	77	90	53	89	72	130	115	152	169	18	1	224	185	0	0		
Feb	42	0	156	125	130	206	139	156	294	152	246	313	167	170	275	0	0		
Feb	35	22	99	73	122	104	179	68	201	28	152	244	376	74	105	0	0		
Feb	29	73	101	99	100	101	121	5	47	7	15	92	122	44	58	0	0		

Figure 11

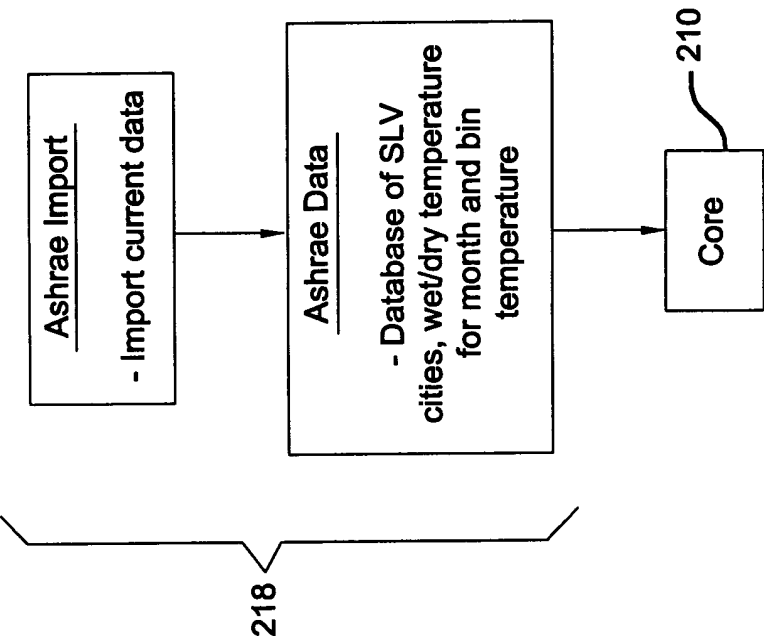


Figure 12


		DO NOT CHANGE.... THIS PAGE IS POSITION DEPENDENT AND USED TO IMPORT NEW ASHRAE DATA !!!!																			
																					
WYEC-2 site NMALBUQW.WY2 (Albuquerque, New Mexico)																					
Latitude: 35.05 Longitude: -106.62																					
quantity	WYEC2 wetbulb																				
0	0	0	2	22	80	248	270	120	2	0	0	0	0	0	0	0	0	0	0	0	744
0	0	0	0	43	42	116	156	204	99	9	0	3	0	0	0	0	0	0	0	0	672
0	0	0	3	0	14	143	232	255	96	0	0	1	0	0	0	0	0	0	0	0	744
3	0	1	0	2	2	41	115	228	232	83	10	1	0	0	0	0	0	2	0	0	720
5	0	2	0	0	0	1	21	89	283	263	71	6	0	1	1	0	0	1	0	0	744
1	0	2	0	0	0	0	5	23	134	199	268	81	0	2	1	0	0	2	0	2	720
0	0	0	0	0	0	4	0	0	6	12	382	318	19	0	2	1	0	0	0	0	744
0	0	0	0	0	0	1	1	2	20	82	280	343	14	0	0	0	0	1	0	0	744
1	0	2	0	0	0	1	4	13	158	218	300	20	0	1	0	0	0	0	0	2	720
0	0	0	0	0	0	1	4	89	276	265	103	6	0	0	0	0	0	0	0	0	744
2	0	2	1	7	37	147	198	172	141	12	0	1	0	0	0	0	0	0	0	0	720
0	0	0	3	28	62	210	195	209	37	0	0	0	0	0	0	0	0	0	0	0	744
12	0	9	9	102	237	913	1201	1404	1484	1143	1414	780	33	4	4	1	0	0	6	0	8760

Figure 13

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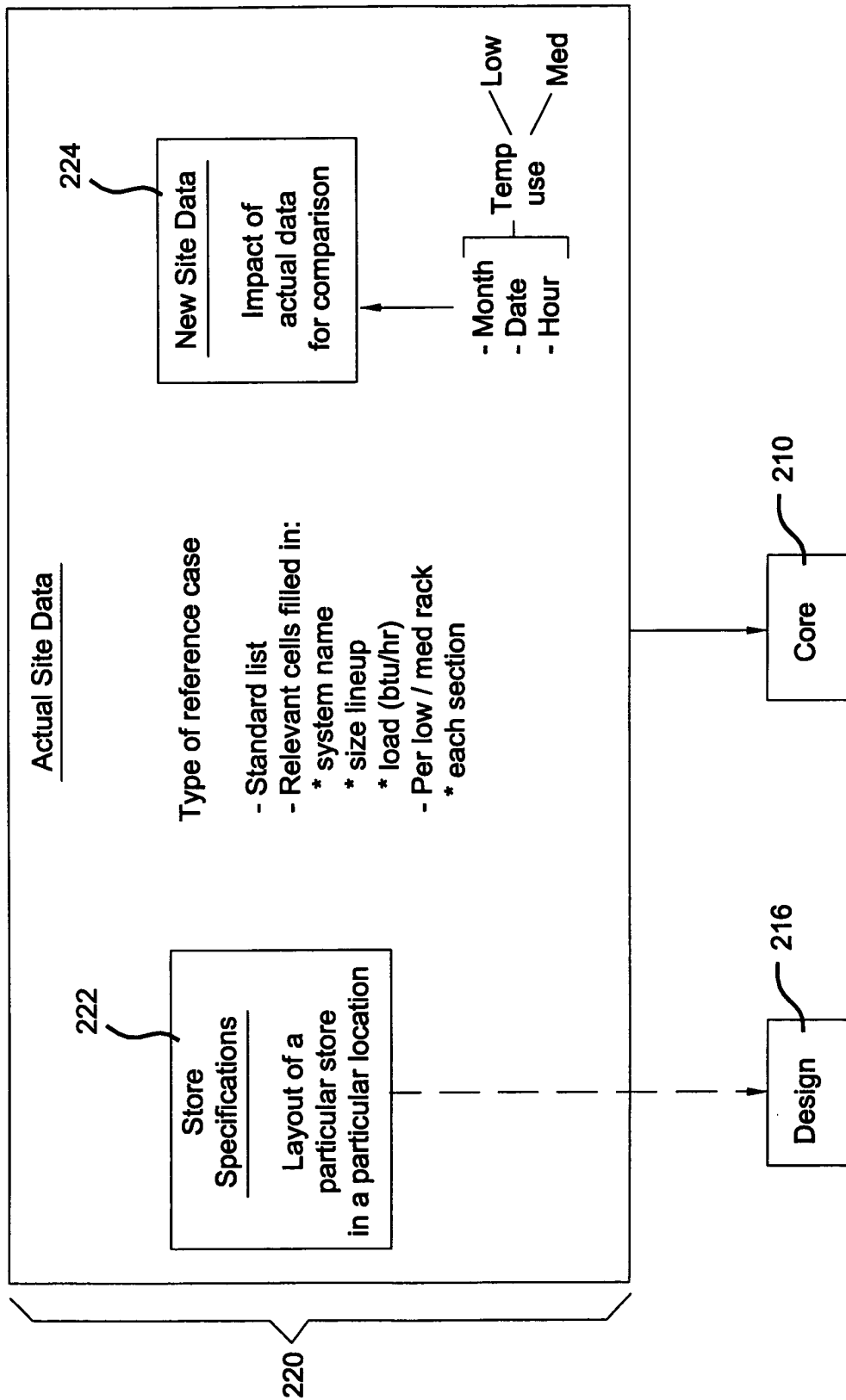


Figure 14

16/35

STORE SPECIFICATIONS										Total BTU/hr without Diversity Factor 1,023,000																			
CHAN.....					BASHAS #22					To change cities, scroll to the new city and then click the skyline																			
STORE.....					DATE..... 1/4/2001					<div>APRINT (Phone)</div> <div>APRINT (Phone)</div>																			
AUTHOR.....					Milliken					<div>APRINT (Phone)</div> <div>APRINT (Phone)</div>																			
ASHRAE CITY.....					APRINT (Phone)					<div>APRINT (Phone)</div> <div>APRINT (Phone)</div>																			
Use the above buttons to adjust area below					Load Units Note Factor					NAME? 261.332					NAME? 13.580					NAME? 0									
Type					System Name Size Lineup Load BTU/hr System Name Size Lineup Load BTU/hr System Name Size Lineup Load BTU/hr System Name																								
3800 n																													
2 Door FF End																													
Coffin dairy																													
1600 n																													
Coffin dairy and																													
315 n																													
Coffin dai																													
630 pc																													
Coffin F.F.																													
2700 pc																													
Coffin F.F. and																													
315 n																													
Coffin meat																													
For Dairy																													
800																													
Cooler Doors																													
1600																													
Shop-Around Dairy																													
Dual temp meat																													
1600																													
Freezer machine																													
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17/35

ACTUAL DAY BY DAY, HOUR BY HOUR DATA										ACTUAL DAY BY DAY, HOUR BY HOUR DATA FOR 24 HOUR PERIOD				
Data must be sorted by date and hour														
kwmonth	kwdate	kwhour	temp	kwuselt	kwusemt	Storepop	kwdate	kwhour	temp	kwuselt	kwusemt	Storepop		
1	01/18/01	1.0	44.8	40.8	43.0	2.0	01/18/01	1	39	39	43	2		
1	01/18/01	2.0	44.8	40.8	43.0	2.0	01/18/01	2	39	39	43	2		
1	01/18/01	3.0	44.8	40.8	43.0	2.0	01/18/01	3	39	39	43	2		
1	01/18/01	4.0	44.8	40.8	43.0	2.0	01/18/01	4	39	39	43	2		
1	01/18/01	5.0	44.8	40.8	43.0	2.0	01/18/01	5	39	39	43	2		
1	01/18/01	6.0	44.8	40.8	43.0	2.0	01/18/01	6	39	39	43	2		
1	01/18/01	7.0	44.8	40.8	43.0	2.0	01/18/01	7	39	39	43	2		
1	01/18/01	8.0	44.8	40.8	43.0	2.0	01/18/01	8	39	39	43	2		
1	01/18/01	9.0	44.8	40.8	43.0	2.0	01/18/01	9	39	39	43	2		
1	01/18/01	10.0	44.8	40.8	43.0	2.0	01/18/01	10	39	39	43	2		
1	01/18/01	11.0	44.8	40.8	43.0	2.0	01/18/01	11	39	39	43	2		
1	01/18/01	12.0	44.8	40.8	43.0	2.0	01/18/01	12	39	39	43	2		
1	01/18/01	13.0	44.8	40.8	43.0	2.0	01/18/01	13	39	39	43	2		
1	01/18/01	14.0	44.8	40.8	43.0	2.0	01/18/01	14	39	39	43	2		
1	01/18/01	15.0	44.8	40.8	43.0	2.0	01/18/01	15	39	39	43	2		
1	01/18/01	16.0	44.8	40.8	43.0	2.0	01/18/01	16	39	39	43	2		
1	01/18/01	17.0	44.8	40.8	43.0	2.0	01/18/01	17	39	39	43	2		
1	01/18/01	18.0	44.8	40.8	43.0	2.0	01/18/01	18	39	39	43	2		
1	01/18/01	19.0	44.8	40.8	43.0	2.0	01/18/01	19	39	39	43	2		
1	01/18/01	20.0	44.8	40.8	43.0	2.0	01/18/01	20	39	39	43	2		
1	01/18/01	21.0	44.8	40.8	43.0	2.0	01/18/01	21	39	39	43	2		
1	01/18/01	22.0	44.8	40.8	43.0	2.0	01/18/01	22	39	39	43	2		
1	01/18/01	23.0	44.8	40.8	43.0	2.0	01/18/01	23	39	39	43	2		
1	01/18/01	0.0	44.8	40.8	43.0	2.0	01/19/01	0	39	16	42	2		

Figure 16

Figure 17

Amb Temp		Subcooler T		Suct T.....25F				Suct T.....-35F				Suct T.....15F				Total Comp KW		Heat of Rejection (Btu/hr)		Condenser Calculations		Annual Energy	
				Base Load.....281.332		Comp Eff.....65%		Base Load.....13.580		Comp Eff.....65%		Base Load.....15F		Comp Eff.....65%									
				Comp Eff	s.c. load	comp load	Comp KW	Comp Eff	s.c. load	comp load	Comp KW	Comp Eff	s.c. load	comp load	Comp KW								
Cond T	Tin	Tout	Comp Eff	s.c. load	comp load	Comp KW	Comp Eff	s.c. load	comp load	Comp KW	Comp Eff	s.c. load	comp load	Comp KW	fan KW	Comp kWh	Cond kWh	Total kWh					
-25	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	27%	0.35	29	0.35	30			
-24	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	28%	0.35	29	0.35	30			
-23	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	28%	0.35	29	0.35	30			
-22	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	28%	0.36	29	0.36	30			
-21	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	29%	0.36	29	0.36	30			
-20	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	29%	0.37	29	0.37	30			
-19	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	29%	0.37	29	0.37	30			
-18	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	30%	0.38	29	0.38	30			
-17	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	30%	0.38	29	0.38	30			
-16	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	31%	0.39	29	0.39	30			
-15	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	31%	0.39	29	0.39	30			
-14	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	32%	0.40	29	0.40	30			
-13	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	32%	0.41	29	0.41	30			
-12	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	32%	0.41	29	0.41	30			
-11	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	33%	0.42	29	0.42	30			
-10	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	33%	0.42	29	0.42	30			
-9	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	34%	0.43	29	0.43	30			
-8	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	35%	0.44	29	0.44	30			
-7	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	35%	0.45	29	0.45	30			
-6	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	36%	0.45	29	0.45	30			
-5	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	36%	0.46	29	0.46	30			
-4	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	37%	0.47	29	0.47	30			
-3	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	37%	0.48	29	0.48	30			
-2	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	38%	0.48	29	0.48	30			
-1	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	39%	0.49	29	0.49	30			
0	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	40%	0.50	29	0.50	30			
1	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	40%	0.51	29	0.51	30			
2	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	42%	0.53	29	0.53	30			
3	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	43%	0.54	29	0.54	30			
4	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	43%	0.55	29	0.55	30			
5	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	44%	0.56	29	0.56	30			
6	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	45%	0.57	29	0.57	30			
7	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	46%	0.58	29	0.58	30			
8	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	47%	0.59	29	0.59	30			
9	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	48%	0.60	29	0.60	30			
10	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	48%	0.61	29	0.61	30			
11	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	49%	0.63	29	0.63	30			
12	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	50%	0.64	29	0.64	30			
13	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	52%	0.65	29	0.65	30			
14	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	53%	0.67	29	0.67	30			
15	55.5285	40.5	40.5	-	281.332	27.76	-	13.580	1.58	-	-	-	-	29.34	395.006	54%	0.69	29	0.69	30			

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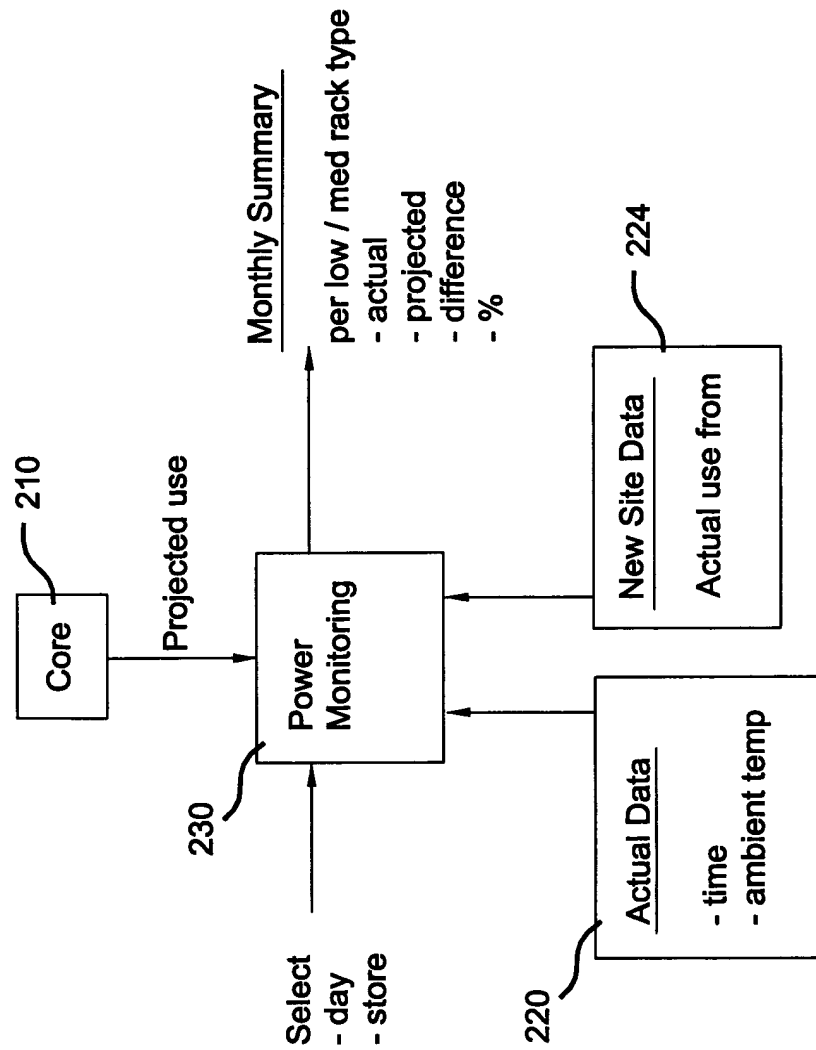


Figure 18

20/35

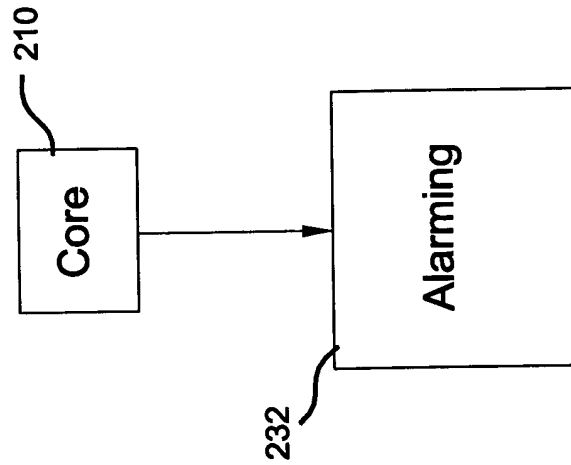


Figure 19

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POWER MONITORING TOOL actual versus projected use									
<div> <div> Enter Beginning Day and Hour to start 24 hour summary Monthly data will begin on the specified date and run for 31 days Yearly data will be accumulated by actual month STORE NAME Beginning Day Beginning Hour (0-23) Date Index ... calculated, do not enter Click to Update Date and Time </div> <div> <div> #22 - MONTHLY SUMMARY LOW TEMP RACK Actual kWh Use Projected kWh Use Difference % Over/Under(-) Proj MEDIUM TEMP RACK Actual kWh Use Projected kWh Use Difference % Over/Under(-) Proj BOTH LOW AND MEDIUM Actual kWh Use Projected kWh Use Difference % Over/Under(-) Proj </div> <div> 14,938 12,463 2,475 19.9% 15,840 9,682 6,158 63.6% 30,778 22,145 8,633 39.0% </div> </div> <div>Comparison Charts available on next page</div> </div>									
ACTUAL HOURLY DATA									
for selected day		Ambient Temp		Occupancy Factor		Low Temp Rack		Medium Temp Rack	
Time of Day						Total kWh		Total kWh	
1	45	33.825	25.120	57.784	57.784	40.381	41.500	81.881	81.881
2	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
3	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
4	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
5	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
6	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
7	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
8	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
9	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
10	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
11	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
12	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
13	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
14	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
15	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
16	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
17	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
18	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769
19	44	33.334	24.450	57.784	57.784	40.769	43.000	83.769	83.769

Figure 20

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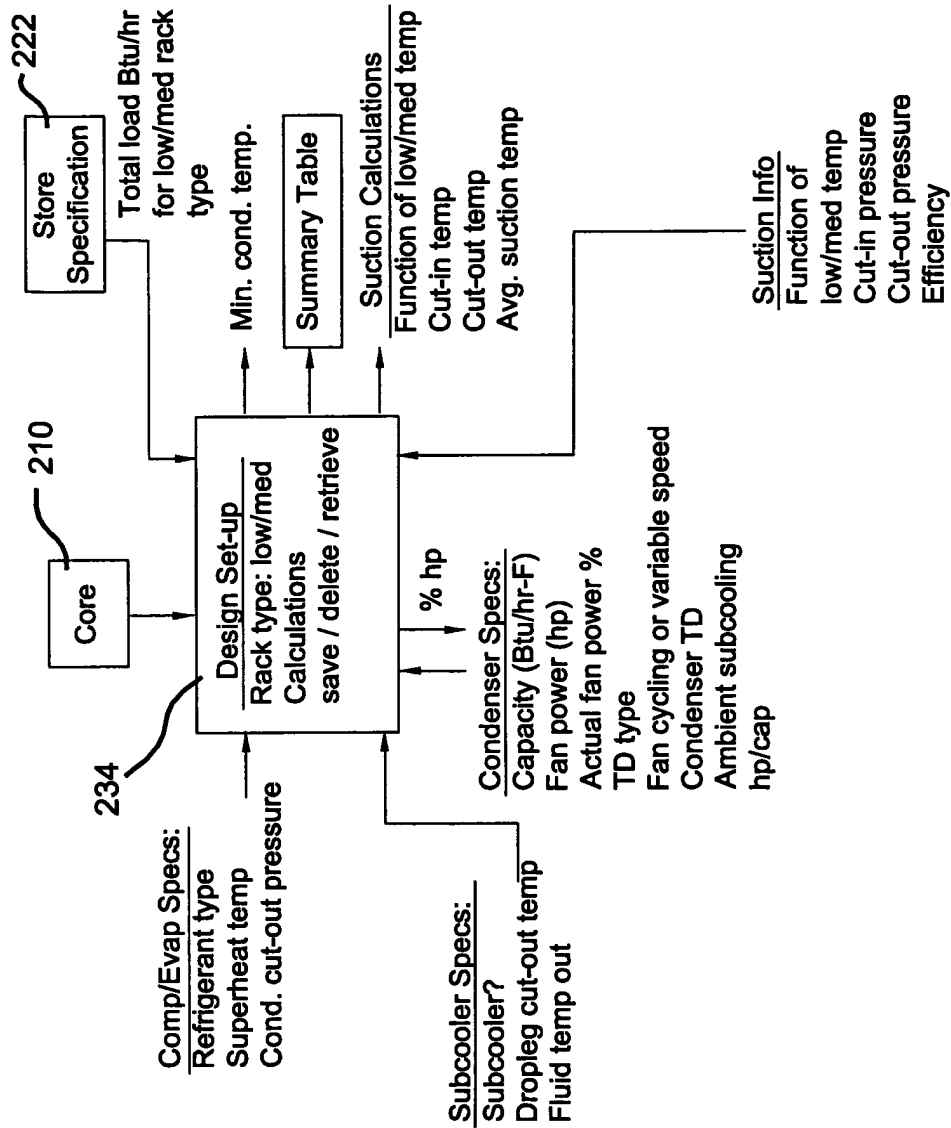


Figure 21

23/35

DESIGN TOOL SETUP		AZPHNIXT (Phoenix)		STORE: #22	Period	All																																																																																																																												
Select Scenario, Enter Specifications Below, and Save Scenario																																																																																																																																		
<div style="border: 1px solid black; padding: 2px;"> #1 BASE CASE - - High cond temp -LT Rack 2/4/01 807,550 kWh #2 RETROFIT CAS - Rev Disch and Suct Press 2/4/01 769,018 #3 BASE CASE - - No Subcooler 3/10/01 1,125,150 kWh #4 is available #5 is available #6 is available #7 is available #8 is available #9 is available #10 is available </div>	<div style="border: 1px solid black; padding: 2px;"> CURRENT SCENARIO <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Scenario</td> <td style="width: 50%;">Retrofit Case</td> </tr> <tr> <td>Comment</td> <td>Rev Disch and Suct Press</td> </tr> <tr> <td>Date</td> <td>2/4/2001</td> </tr> <tr> <td>Scenario#</td> <td>2</td> </tr> <tr> <td>Period</td> <td>All</td> </tr> </table> </div>						Scenario	Retrofit Case	Comment	Rev Disch and Suct Press	Date	2/4/2001	Scenario#	2	Period	All																																																																																																																		
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<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Comp/Evap. Spec.</th> <th style="width: 10%;">Suction #1</th> <th style="width: 10%;">-25F Loads</th> <th style="width: 10%;">Suction #2</th> <th style="width: 10%;">-35F Loads</th> <th style="width: 10%;">Suction #3</th> <th style="width: 10%;">15F</th> <th style="width: 10%;">Loads</th> </tr> </thead> <tbody> <tr> <td>Refrigerant.....</td> <td>Cut-in:</td> <td>14.0psig</td> <td>Cut-in:</td> <td>8.0psig</td> <td>Cut-in:</td> <td>52.0psig</td> <td>14.8F</td> </tr> <tr> <td>Superheat.....</td> <td>Cut-out:</td> <td>14.0psig</td> <td>Cut-out:</td> <td>8.0psig</td> <td>Cut-out:</td> <td>52.0psig</td> <td>14.8F</td> </tr> <tr> <td>Min. cond. temp.....</td> <td>Avg suction</td> <td>-25.5F</td> <td>Avg suction</td> <td>-35.3F</td> <td>Avg suction</td> <td>-35.3F</td> <td>14.8F</td> </tr> <tr> <td>Condenser cut-out:</td> <td>Comp Eff</td> <td>65%</td> <td>Comp Eff</td> <td>65%</td> <td>Comp Eff</td> <td>65%</td> <td>65%</td> </tr> <tr> <td>Subcooler Characteristics</td> <td colspan="6"></td> <td></td> </tr> <tr> <td>Subcooler?</td> <td colspan="6"></td> <td></td> </tr> <tr> <td>Dropleg cutout temp</td> <td colspan="6"></td> <td></td> </tr> <tr> <td>Fluid temp out</td> <td colspan="6"></td> <td></td> </tr> <tr> <td colspan="7"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Capacity</td> <td style="width: 10%;">BTU/hr</td> <td style="width: 10%;">Compr</td> <td style="width: 10%;">Cond</td> <td style="width: 10%;">Total</td> </tr> <tr> <td>Fan Power</td> <td>294,912</td> <td>350,372</td> <td>12,080</td> <td>362,452</td> </tr> <tr> <td>Actual Fan Power</td> <td>615,221</td> <td>376,987</td> <td>29,580</td> <td>406,567</td> </tr> <tr> <td>Select TD type below</td> <td>910,133</td> <td>727,359</td> <td>41,660</td> <td>769,019</td> </tr> <tr> <td>fan cycling or variable speed</td> <td colspan="4" style="text-align: center;">taken from Design Tool Results</td> </tr> <tr> <td>Condenser TD</td> <td colspan="4"></td> </tr> <tr> <td>Amb. Subcooling</td> <td colspan="4"></td> </tr> <tr> <td>hp/cap =</td> <td colspan="4"></td> </tr> <tr> <td>%hp = (%cap)^</td> <td colspan="4"></td> </tr> </table> </td> </tr> </tbody> </table>							Comp/Evap. Spec.	Suction #1	-25F Loads	Suction #2	-35F Loads	Suction #3	15F	Loads	Refrigerant.....	Cut-in:	14.0psig	Cut-in:	8.0psig	Cut-in:	52.0psig	14.8F	Superheat.....	Cut-out:	14.0psig	Cut-out:	8.0psig	Cut-out:	52.0psig	14.8F	Min. cond. temp.....	Avg suction	-25.5F	Avg suction	-35.3F	Avg suction	-35.3F	14.8F	Condenser cut-out:	Comp Eff	65%	Comp Eff	65%	Comp Eff	65%	65%	Subcooler Characteristics								Subcooler?								Dropleg cutout temp								Fluid temp out								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Capacity</td> <td style="width: 10%;">BTU/hr</td> <td style="width: 10%;">Compr</td> <td style="width: 10%;">Cond</td> <td style="width: 10%;">Total</td> </tr> <tr> <td>Fan Power</td> <td>294,912</td> <td>350,372</td> <td>12,080</td> <td>362,452</td> </tr> <tr> <td>Actual Fan Power</td> <td>615,221</td> <td>376,987</td> <td>29,580</td> <td>406,567</td> </tr> <tr> <td>Select TD type below</td> <td>910,133</td> <td>727,359</td> <td>41,660</td> <td>769,019</td> </tr> <tr> <td>fan cycling or variable speed</td> <td colspan="4" style="text-align: center;">taken from Design Tool Results</td> </tr> <tr> <td>Condenser TD</td> <td colspan="4"></td> </tr> <tr> <td>Amb. Subcooling</td> <td colspan="4"></td> </tr> <tr> <td>hp/cap =</td> <td colspan="4"></td> </tr> <tr> <td>%hp = (%cap)^</td> <td colspan="4"></td> </tr> </table>							Capacity	BTU/hr	Compr	Cond	Total	Fan Power	294,912	350,372	12,080	362,452	Actual Fan Power	615,221	376,987	29,580	406,567	Select TD type below	910,133	727,359	41,660	769,019	fan cycling or variable speed	taken from Design Tool Results				Condenser TD					Amb. Subcooling					hp/cap =					%hp = (%cap)^				
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Figure 22

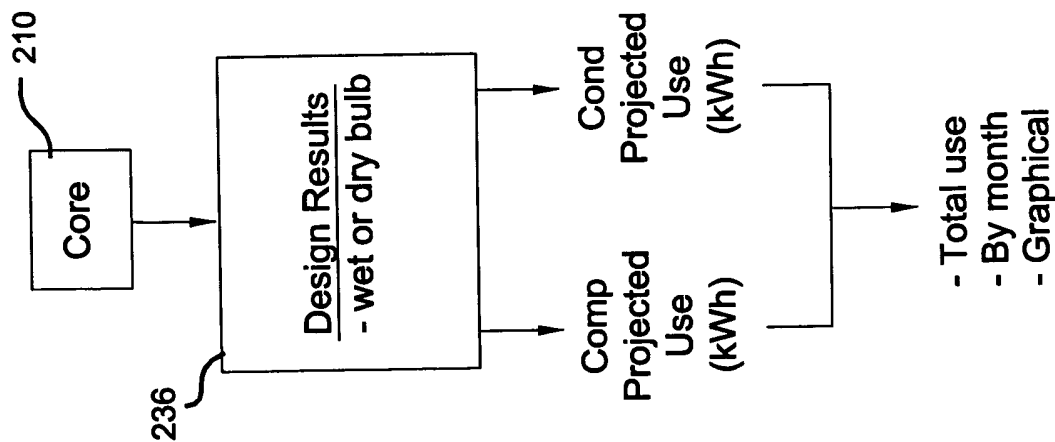


Figure 23

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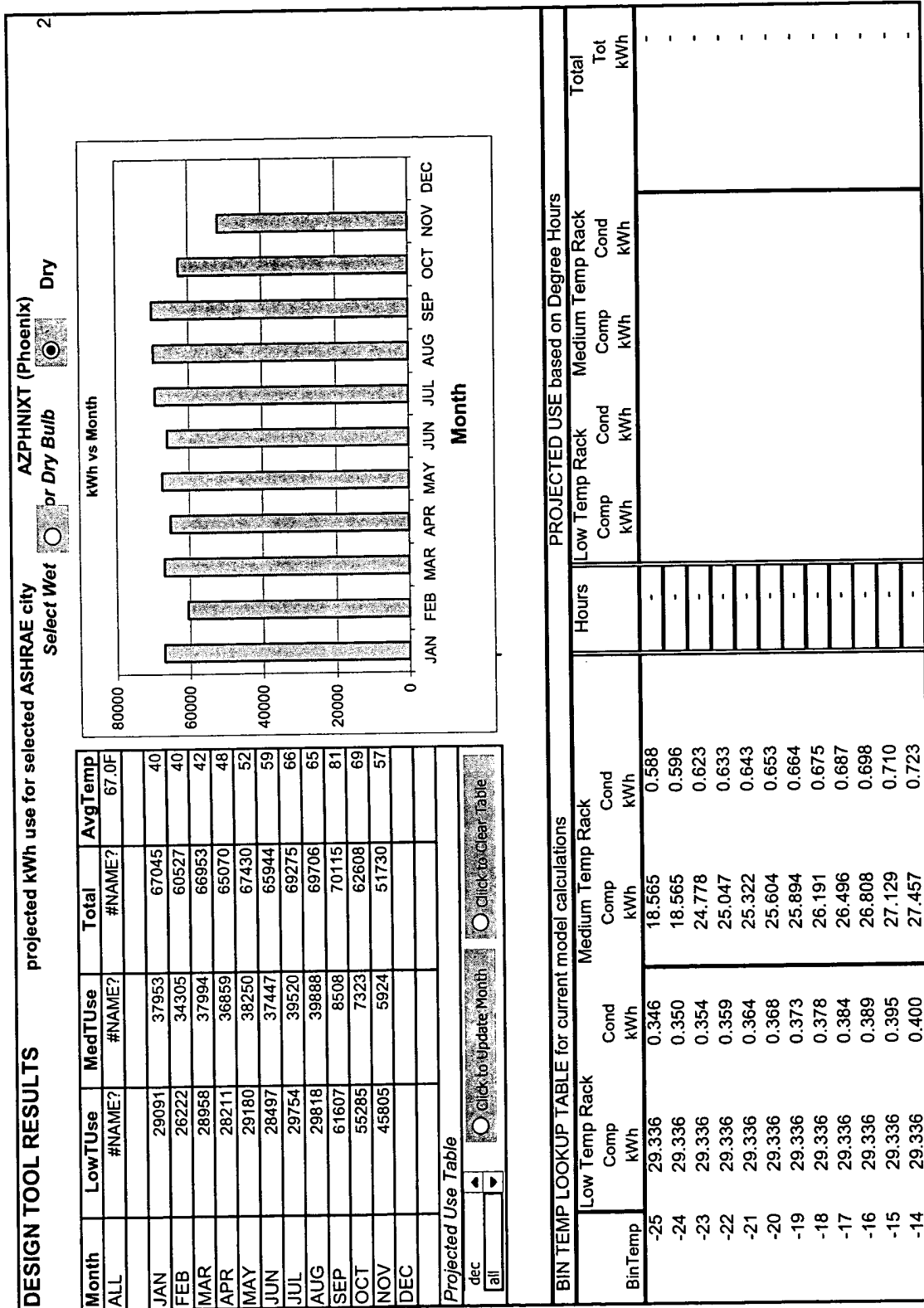


Figure 24

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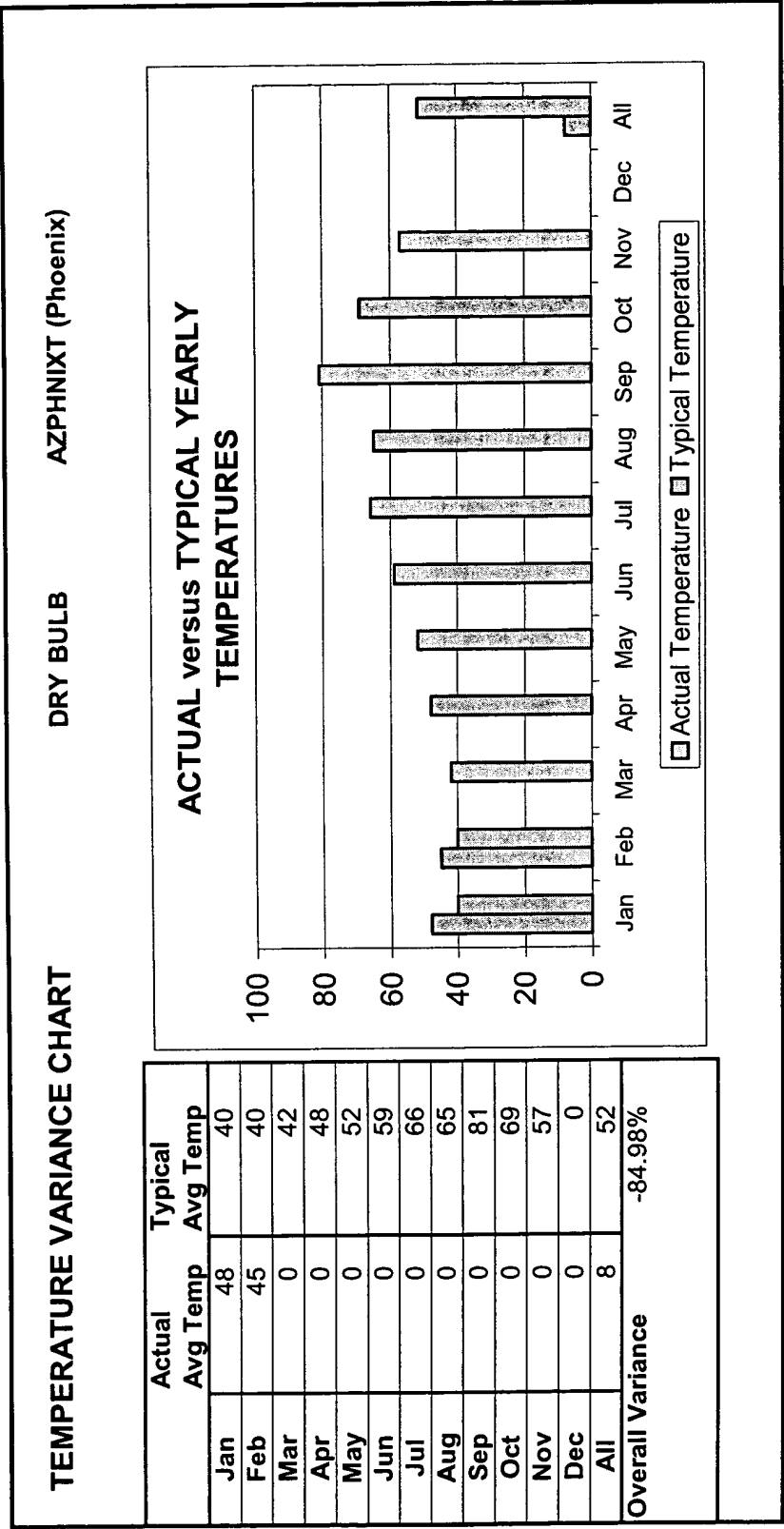


Figure 25

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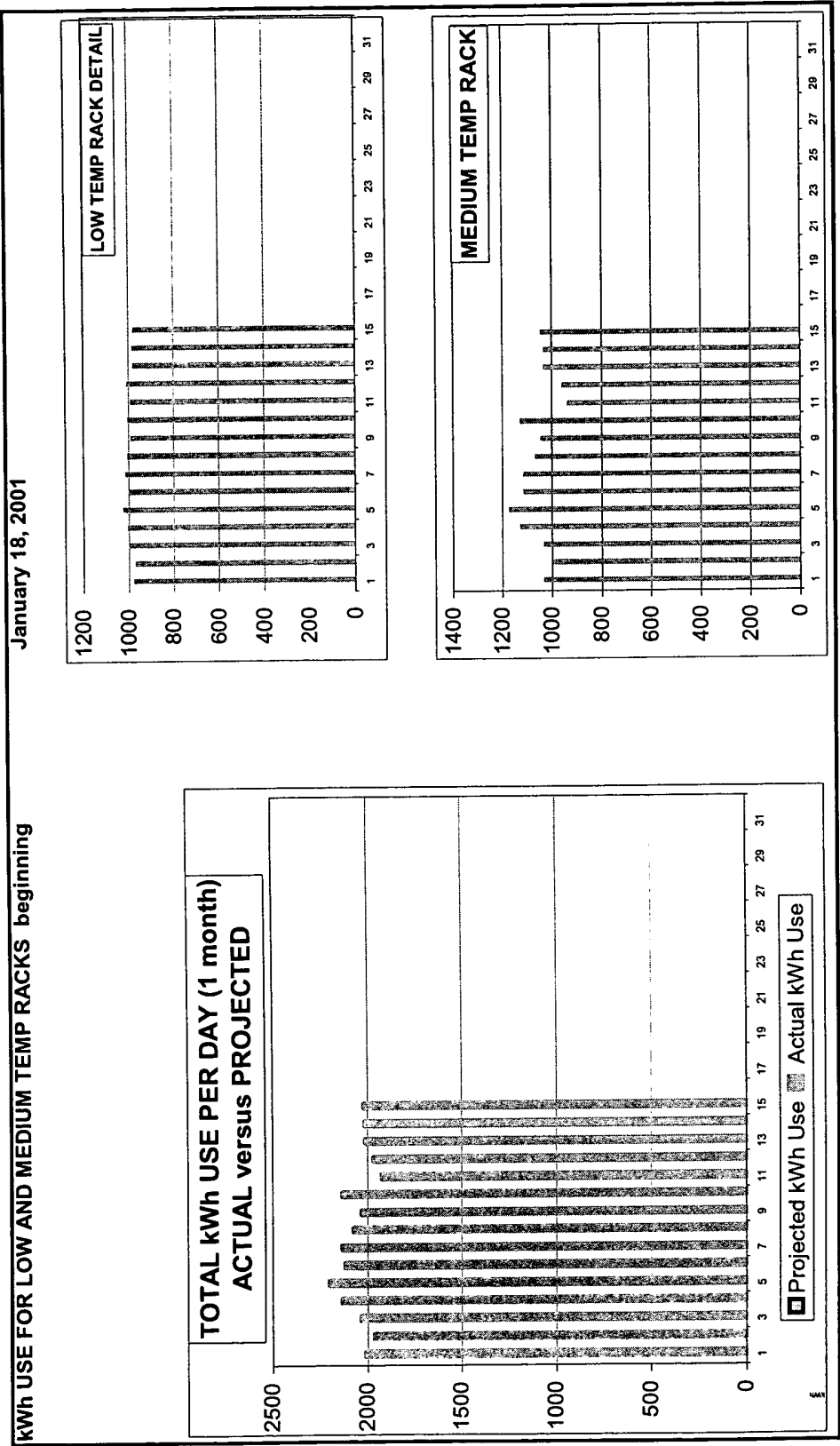
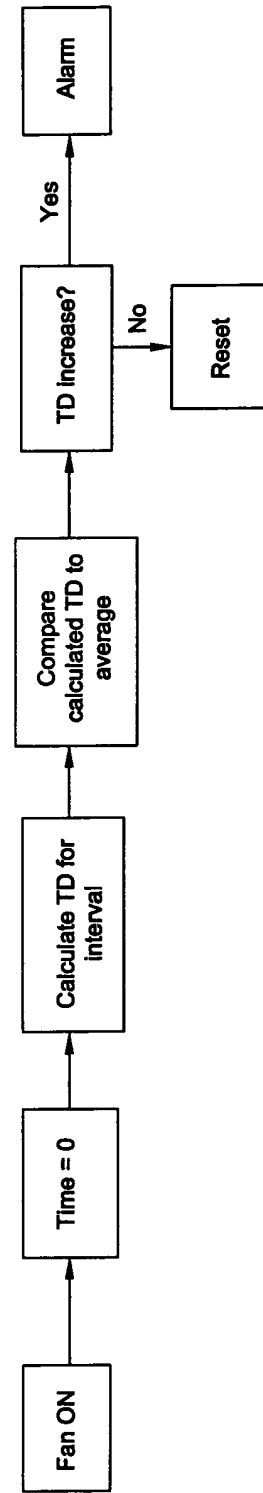
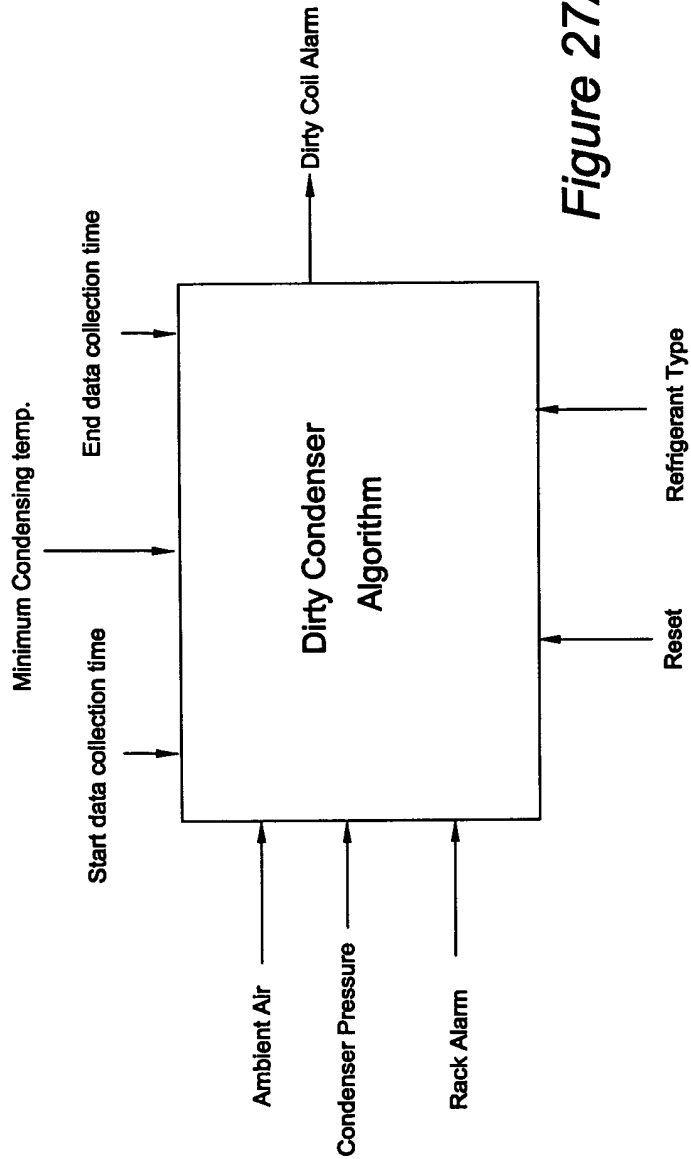


Figure 26

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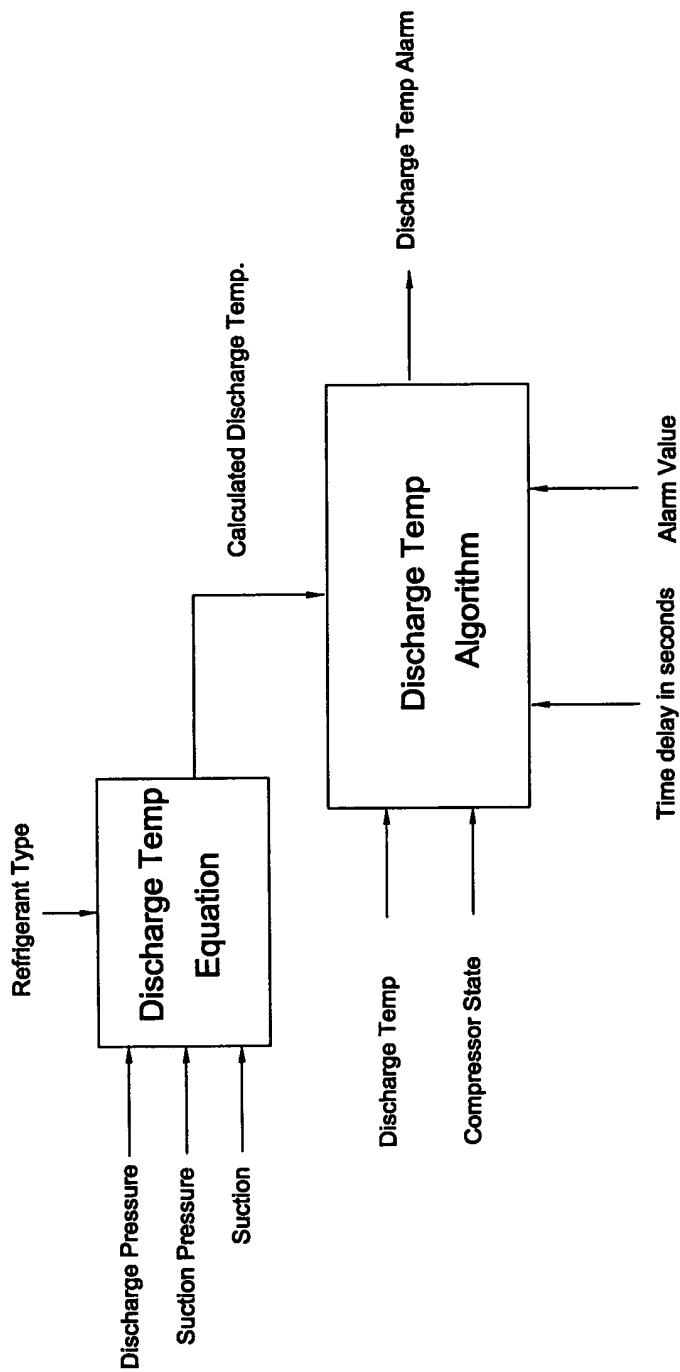


Figure 28

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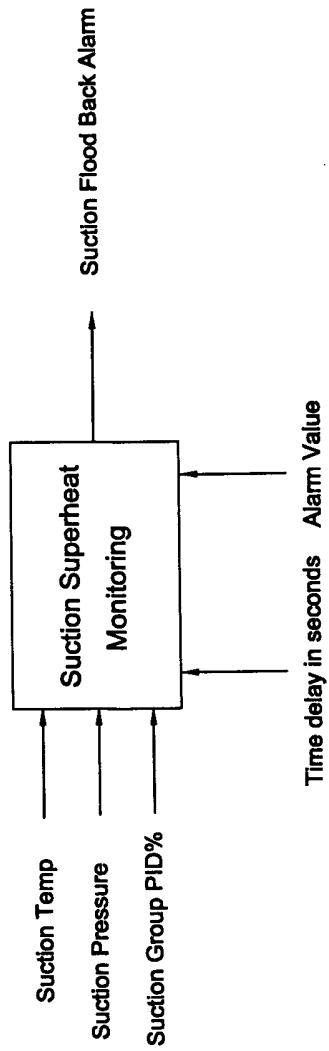


Figure 29A

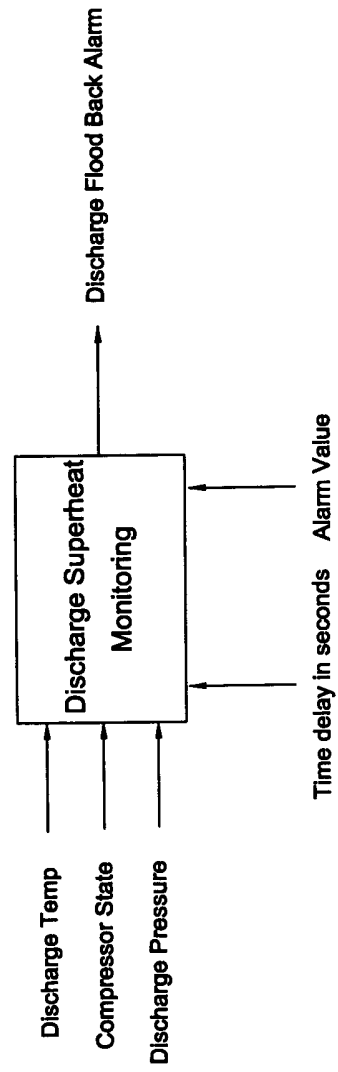


Figure 29B

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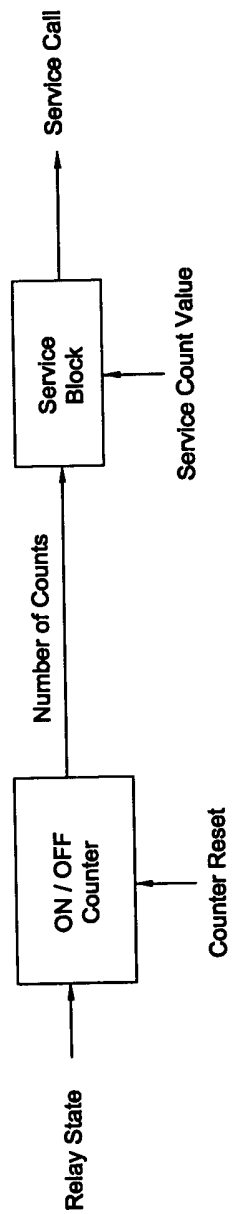


Figure 30

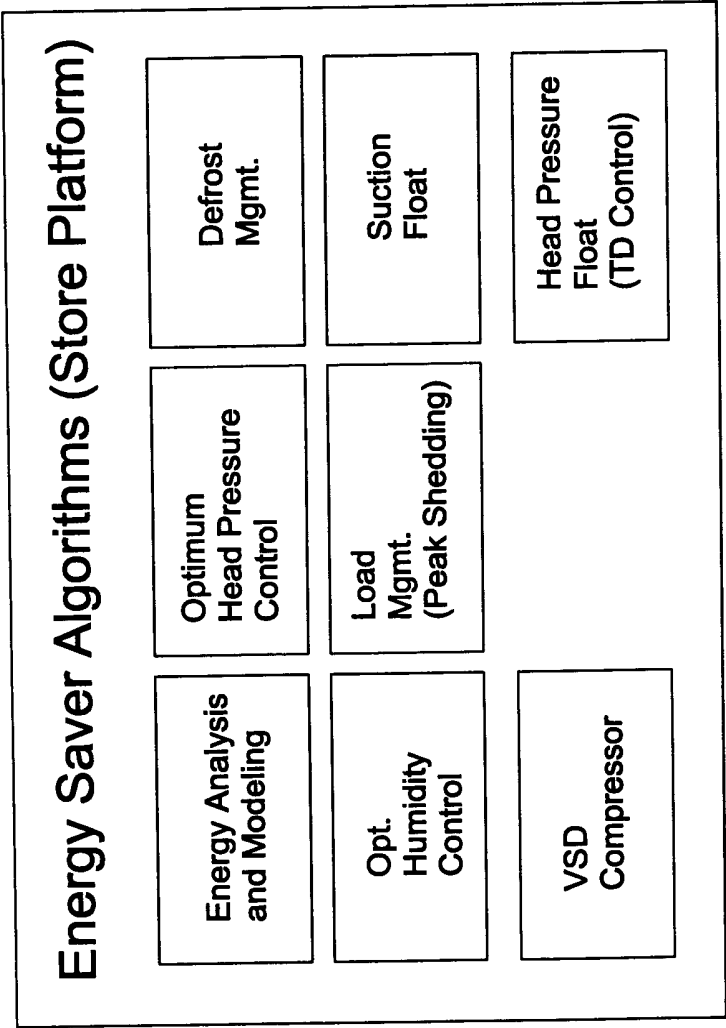


Figure 31

Figure 32

Figure 32

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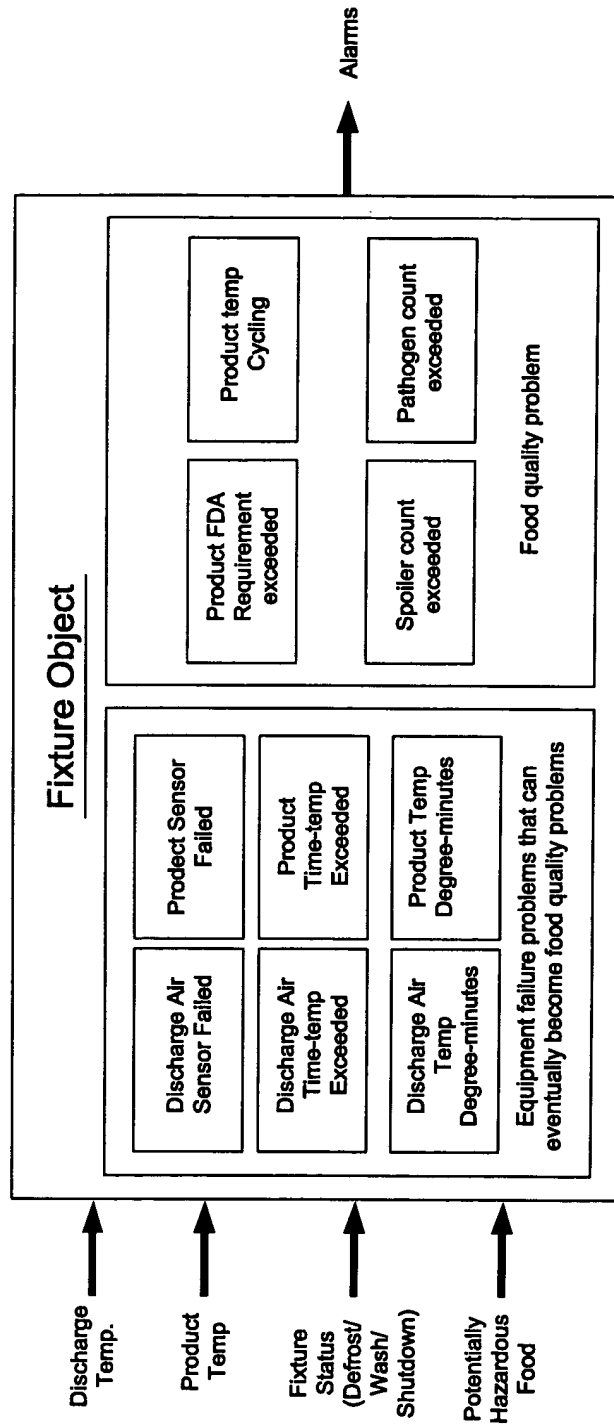


Figure 33

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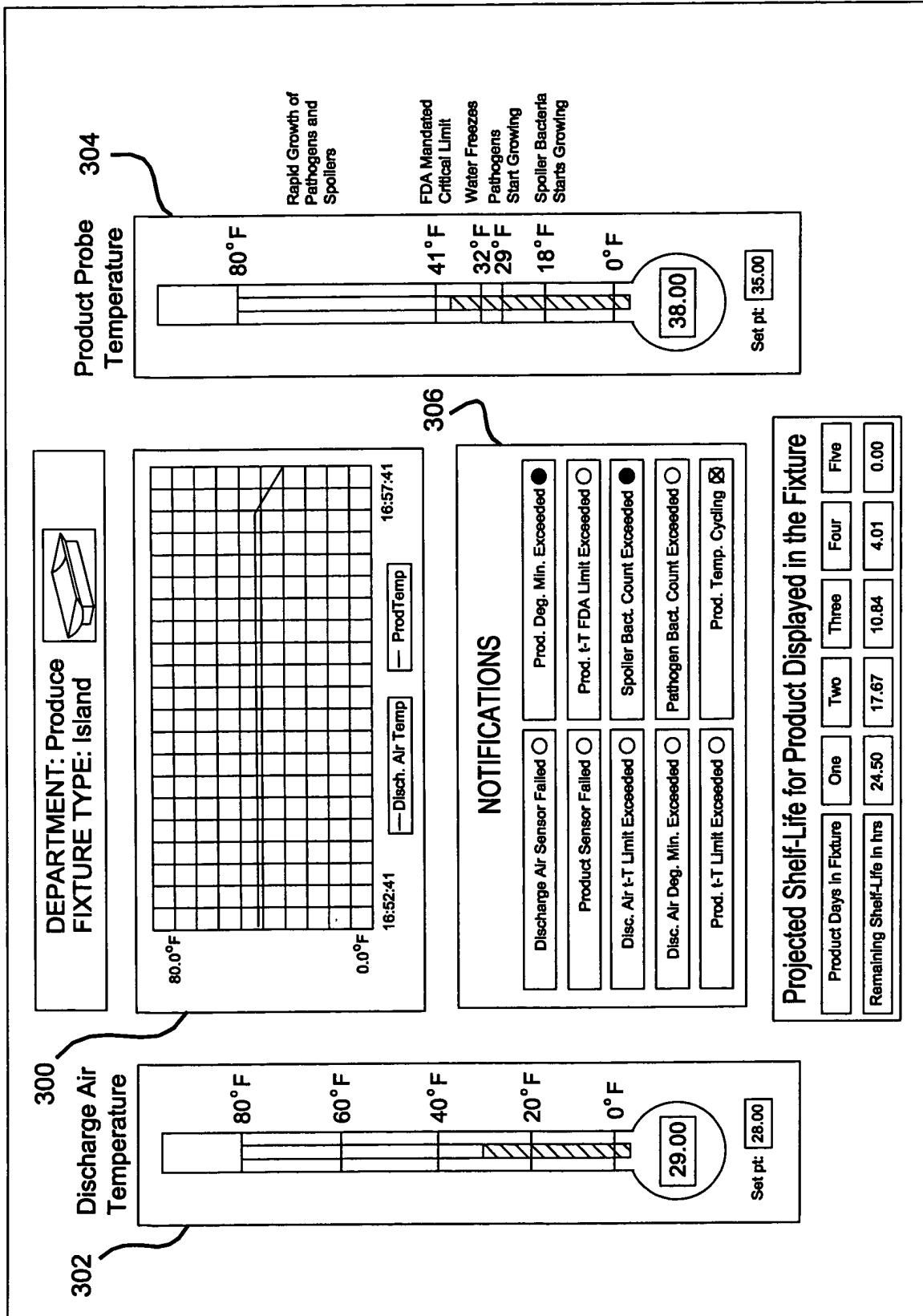


Figure 34